

Fig. 1

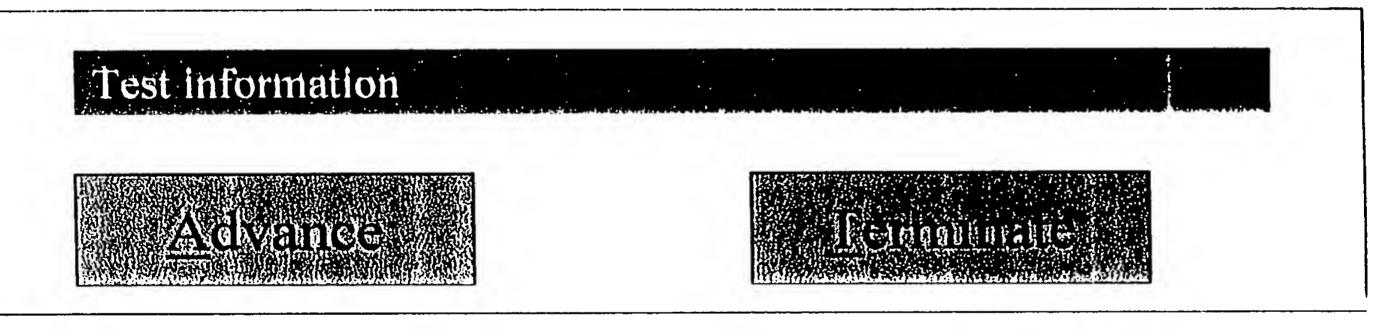


Fig. 2

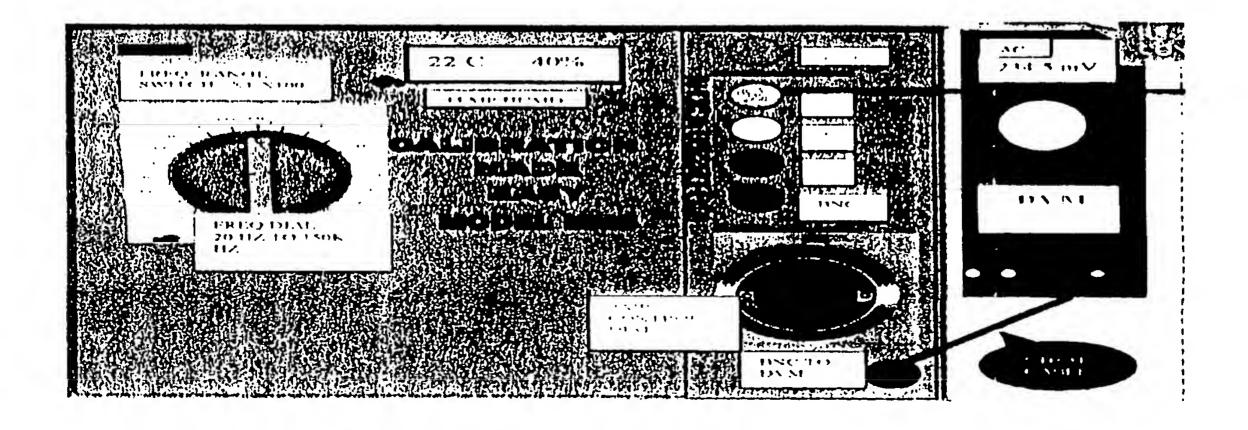
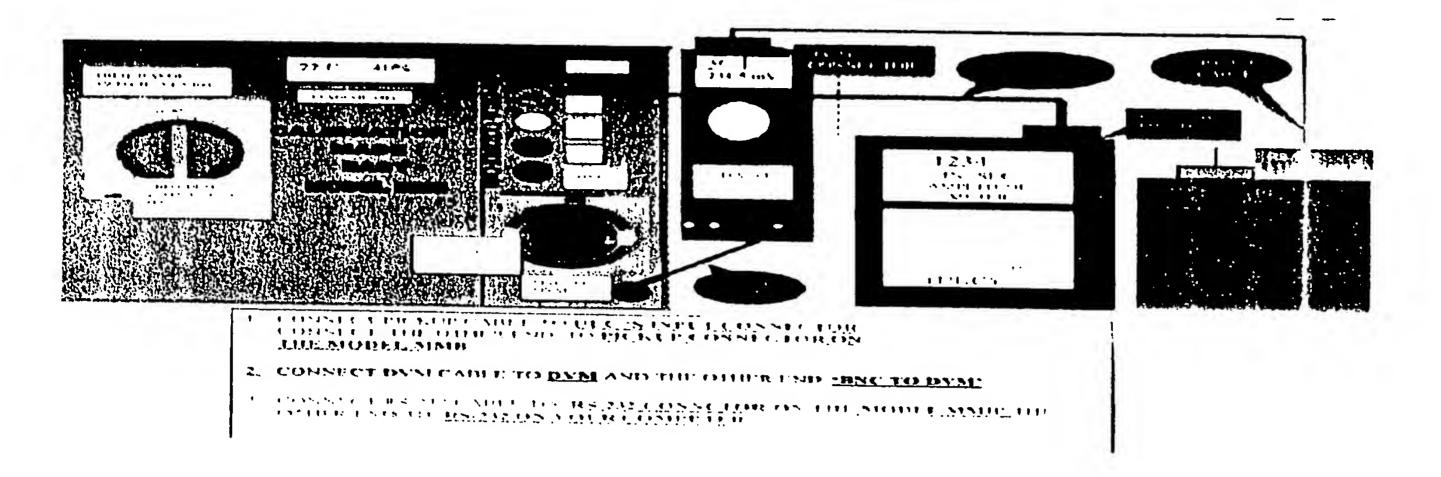
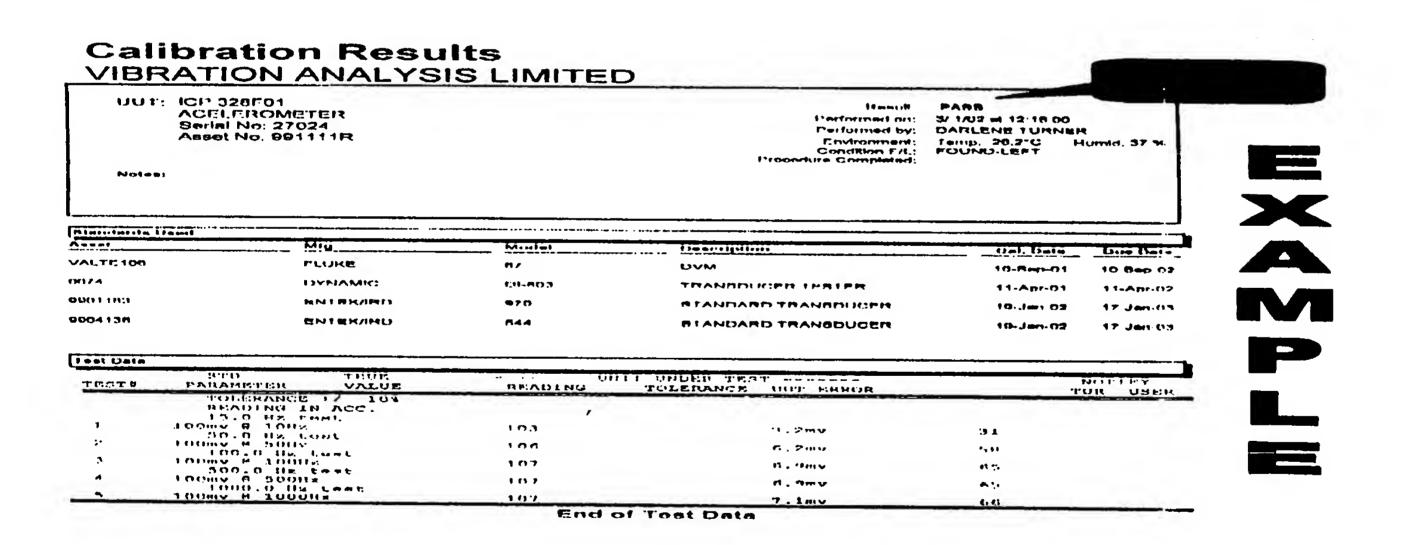


Fig. 3

# VIBRATION INSTRUMENT CALIBRATION METHOD AND APPARATUS Darlene Turner - Docket No.: 30658 Sheet 2 of 6



# Fig. 4



# VIBRATION INSTRUMENT CALIBRATION METHOD AND APPARATUS Darlene Turner - Docket No.: 30658 Sheet 3 of 6

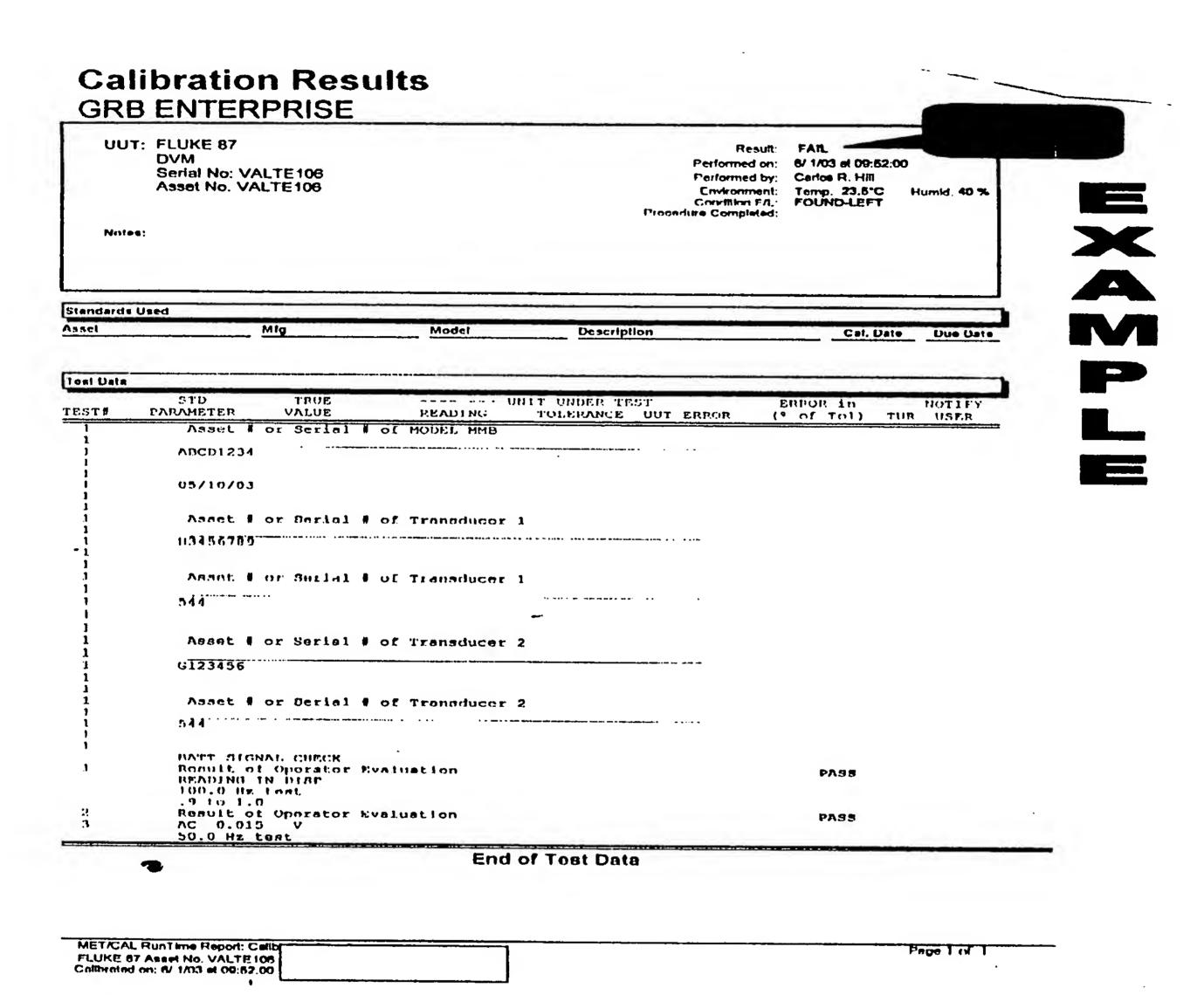


Fig. 6

VIBRATION INSTRUMENT CALIBRATION METHOD AND APPARATUS Darlene Turner - Docket No.: 30658 Sheet 4 of 5

#### VIBRATION ANALYSIS LIMITED

JOOD SUNDBURY RD. 

## Certificate of Calibration

Cal Date Time 3/ 1/07 14:20:00 Temperature 26:20°C Company Next Cal Due 2/26/03 Humidity 37 16 Address C/S/Z Pass V Tech DARLENE TURNER Note Cal Procedure IGP AGGRLEROMETER  Revision 1 0  Rid. Anni Natulms Mtg Model Description Cal. Date (ALTE106 UYNAMIC DI-803 IRANSDUCER TRETER 4/11/01 0074 UNAMIC POTO DTANSDUCER TRETER 4/11/02	nel
VIBRATION ANALYSIS LIMITED TESTING SERVICES MERREY CERTIFIES THAT: the inbow described instrument niet or exceeded all published specifications at the time of calibration specified below; and has been calibrated using standards whose accuracios are traceable to the Nation Institute of Standards and Technology (NIST) within the Ilmitations of the Institute's calibration services or have been derived from accepted values or physical constants, or have been derived by retio or solf calibration techniques. All lest are performed with a TUR(Test Uncertainty Ratio) of 4-1 unless otherwise specified. All calibration notivities performed are in compliance with ANSVNCSI, Z540, ISO/GUIDE 25, AND MIL-STD 45682A  EALIBITATION INFORMATION  Cal Date Time 3/ 1/02 14:20:00  Temperature 26:20°C  Company Address C/S/Z  Pays Y  Tech DARLENE TURNER  Prove  Gal Procedure ICP AGGSLEROMETER  Revision 1:0  Bid. Asset Namium  Mig  Midel  Description  Del, Date  VALTE106  DYNAMIC  DYNAMIC  DYNAMIC  DYNAMIC  DISTANDAND TRANSDUCGE TESTER  4/11/01  BYANDAND TRANSDUCGE TESTER  4/11/01  BYANDAND TRANSDUCGER TESTER  4/11/01  BYANDAND TRANSDUCGER TESTER  A11/10/11	nel
the above described instrument met or exceeded all published aprolifications at the time of calibration specified below; and has been calibrated using standards whose occuracios are tracerible to the Nation Institute of Standards and Technology (NIST) within the limitations of the institute's calibration services or have been derived from accepted values or physical constants, or have been derived by ratio or solf calibration techniques. All test are performed with a TUR(Test Uncertainty Ratio) of 4:1 unless otherwise specified. All calibration notivities performed are in compliance with ANSVNCSI, Z540, ISO/GUIDE 25, AND MIL-STD 45662A  CALIBITATION INFORMATION  CALIBRATION INFORMATION	nel
Cal Date Time 3/ 1/07 14:20:00 Temperature 26:20°C Company Next Cal Due 2/26/03 Humidity 37 16 Address C/S/Z Pass V Tech DARLENE TURNER Note Cal Procedure IGP AGGRLEROMETER  Revision 1 0  Rid. Anni Natulms Mtg Model Description Cal. Date (ALTE106 UYNAMIC DI-803 IRANSDUCER TRETER 4/11/01 0074 UNAMIC POTO DTANSDUCER TRETER 4/11/02	
Next Cal Due 2/28/03 Humidity 37 % Address C/S/Z  Page Y Tech DARLENE TURNER PO# Seels OK Y Note  Cal Procedure ICP ACCRLEROMETER Product to the procedure ICP ACCRLEROMETER  Mid. Anset Number Mrg Model Description Cel. Date  VALTE108 PLUKE B7 DVM 17ANSDUCER TESTER 4/11/01 1901 183 PATEK/IRD 070 DTANDARD TRANSDUCER TESTER 4/11/01	
Page 7 Tech DARLENE TURNER PO!!  Socia DK Y Note  Cal Procedure IGP AGCREROMETER Revision 1.0  Rid. Annel Number Mig Model Description Gal. Date  VALTE 106  CALTE 106  CALTE 106  CALTE 1074  DYNAMIC DI-803  CALTE 1074  DYNAMIC DI-803  CALTE 1075  DYNAMIC DI-803	
### Model Description Cel. Date  VALTE106 FLUKE 87 DVM  0074 DYNAMIC DI-603 IRANSDUCER TESTER 4/11/01  0001 ISD FNTEK/IRD 070 STANDARD TRANSDUCER 1/19/02	
VALTE108   FLUKE   87   DVM   9/10/01 0074   DYNAMIG   DI-803   IRANSDUCER TESTER   4/11/01 0001183   FNTEK/IRD   070   BTANDARD TRANSDUCER   1/19/02	
0074 DYNAMIC DI-803 IRANSDUCER TESTER 4/11/01	Due trat
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Fig. 7	

screport substitution int inerts-

### **Falled Calibration Report**

**DRAFT** 

For Inst	rumont:	FLUKE 87		
Descr	Iption	DVM		
Asset Number:	VALTE106	Serial Number	VALTE106	
specified below; and has be institute of Standards and T	nent met or exceeded all publishen calibrated using standards wifechnology (NIST) within the lim	hose accuracles are trac- itations of the institute's	eable to the National calibration services,	
	accepted values or physical con- chlibration activities performed a			
collibration techniques All	cnlibration activities performed :		PIL-STD-45G62A.	
Calibration techniques All	calibration activities performed :	are in compliance with M	PIL-STD-45G62A.	
Cal Date Time 5/26/03 04:2 Next Cal Due 5/26/03	2:00 Temperature 23:50°C Humidity 40 % Tech Carlos R. Hill Note	are in compliance with M	op	
Calibration techniques All CALIBRATION INFORMATION  Cal Date Time 5/26/03 04:2 Next Cal Dire 5/26/03  Pens I Seats OK Y	Temperature 23.50°C Humidity 40 % Tech Carlos R. Hill Note	are in compliance with M 8h Work Ord	op	

Signed: \_\_\_

### VIBRATION INSTRUMENT CALIBRATION METHOD AND APPARATUS Darlene Turner - Docket No.: 30658 Sheet 5 of 6

		08380			Result: Performed by: Environment by: Condition F/L: pre Completed,	PASS 12/10/01 et 18.15:00 DARLEINE TURNER Temp. 25.2°C H FOUND-LEFT	umid, 37 %
Notes:							
ndarde U	***			Description		Cel. Date	Due Date
et .		Mild	Model			11-Apr-01	11-Apr-02
NTF 1025		AGILENT	3458A	6 1/2 MULTIMETE	-, -	30-Apr-01	30-Apr-02
ATE 1026		GLOBAL	105/2120	GENERATOR			
st Data			UN	IT UNDER TEST		ENNON in 6 of Tol) TUR	NOTIFY
***	PARAMETER	TRUE	READING Transducer	TOLERANCE UUT	ennon (	# Of JOT) TO	
1 1 1 1 1	ural) I NI	# or seriel # o	TTANAGUCCE	- Model		O	
1	Int. Amse B 1	t.csut. A 1.0g	35.4	Omv		. 0	
2	100.0 H	OOH*	35.4	nmv		5	
3	50.0 112	CHA TION	35.6	0.2		5	
4	35. 4mv 9 .	z test 0 1.0g	35.6	0.2	mv	Ū	
	10000.0	IN G/SE DIE TEST 8 1.00/	35.7	0.3	mv	в	
5		TOUT # 1.01m/e	100	0.0	mv.	5	
6	5.75mv # 3	le test 8 1.01n/	'non	0.2	2mv	3	
7		test 0 1.0in/	***	lmv		29	
t		TE LOSE # 1.01n		2.3	3111 V	••	
ŷ.	שטטשע פ שטטע	OGIIZ C TN MTL				4	
10	50.0 H	z test & L.O MI	•		. 02m4	0	
11	100.0	Hz test 0 1.0 M.	,	Cin		3	
12	500.0 475my 9 5	HZ tost H 1.0 M.	477	1.6	Bm∨		Page 1 of 2
GRB Ent		Report: Calibration Results 500 Asset No. 060 Serial	No: 990				

Fig. 9

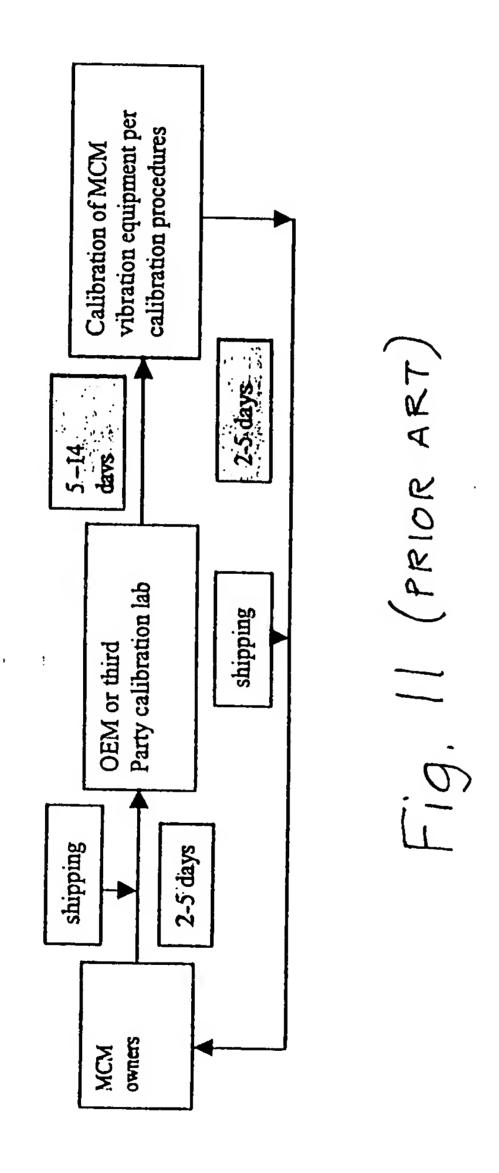
#### **GRB ENTERPRISE**

### FINAL VALIDATED Certificate of Calibration

3600 SUNBURY RD. COLUMBUS, OH 43219 614-476-6839 1-800-350-4988 FAX:614-476-0784 www.calibrationmadesasy.com

	for Instrument	ENTEK	VIRD DATAPAC 15	500	
	Description _	DA	FA COLLECTOR		
Asset Num	ber:	080	Serial Number	9909396	
the above describe specified below; a institute of Standa ochave been derived in the calibration technic otherwise specific	ed instrument met ind has been callbo ards and Technolog red from accepted ques. All test are p d. All callboation no	CERTIFIES THAT: or exceeded all published using standards whey (NIST) within the limit values or physical constantion of with a TUR (Total Indian performed are in ISO/GUIDE 17025, QS	tose accuracios are tra tations of the institute's tants, or have been der est Uncertainty Retio) n compliance with	ceable to the Nation s calibration services, fived by ratio briself of 4:1 unless	
Col Data Time 1 Next Cal Due 1	2/10/01 18:13:00 2/10/02 Tech DARLENE T	Temporature 26,20°C Humidity 37 %	Address 26801 GR	ECTRIC CO. DESUECK HIGHWA , MI 48089	Y
Seate OK Y Cat Procedure If	Note RD MODEL DATAPAC	1500	Physic	aton 1.0	
Ird. Asset Number	Ming	Model	Description	Cal, Date	Due Date
RBTE 1025 RB1 E 1026	GLOBAL	3458A 105/2120	6 1/2 MULTIMETER GENERATOR	4/11/01 4/30/01	4/11/02 4/30/02
	Dated Signed: _	Tested	d by:		
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RROBOSOST	•				Page t

Fig. 10



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